

In light of these amendments, it is believed that Applicant's arguments advanced in the previous Office Action should be reconsidered, and that claims 1-13 and 34-36 should now be allowed.

Respectfully submitted,

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VERSION OF CLAIMS WITH MARKINGS TO SHOW CHANGES MADE

1. A [chemical screening kit] semi-custom array for chemical screening comprising:

(a) a library of different filaments of a non-reactive substrate extending along a longitudinal axis and supporting, spaced along that longitudinal axis, a linear array of
5 different, chemically reactive substances exposed on a surface of each filament; and

(b) a support frame for receiving and holding a plurality of different filaments being a subset of the library of different filaments, the support frame holding the plurality of different filaments for mutual exposure to a material to be screened.

2. The [chemical screening kit] semi-custom array for chemical screening of claim 1 wherein the filament has a length taken along the longitudinal axis of at least ten times a maximum cross-sectional dimension of the filament taken across the longitudinal axis.

3. The [chemical screening apparatus] semi-custom array for chemical screening of claim 1 wherein the chemically reactive substances are organic compounds.

4. The [chemical screening apparatus] semi-custom array for chemical screening of claim 3 wherein the organic compounds are selected from the groups consisting of: oligonucleotides and peptides.

5. The [chemical screening kit] semi-custom array for chemical screening of claim 1 wherein the non-reactive substrate is a glass fiber.

6. The [chemical screening kit] semi-custom array for chemical screening of claim 1 wherein the support frame holds the filaments transversely spaced in parallel relationship.

7. The [chemical screening kit] semi-custom array for chemical screening of claim 1 wherein the support frame holds the filaments transversely spaced along two perpendicular axes.

8. The [chemical screening kit] semi-custom array for chemical screening of claim 1 wherein the filaments include isolating bands of a chemically repellant coating between the chemically reactive substances.

9. The [chemical screening kit] semi-custom array for chemical screening of claim 1 wherein the filaments include recessed pockets receiving the chemically reactive substances.

10. The [chemical screening apparatus] semi-custom array for chemical screening of claim 1 wherein the filaments include a marker allowing the filaments to be distinguished.

12. The [chemical screening apparatus] semi-custom array for chemical screening of claim 1 wherein the filaments include a marker allowing a given end of the filament to be identified.

13. The [chemical screening apparatus] semi-custom array for chemical screening of claim 12 wherein the marker is selected from the group of printing and fluorescent material.

34. A [chemical screening apparatus] semi-custom array for chemical screening comprising:

(a) at least two different strips of a non-reactive substrate extending along a longitudinal axis and supporting, spaced along that longitudinal axis, a linear array of
5 different, chemically reactive substances exposed on a surface of the strip; and

(b) a support frame for receiving and holding the strips for mutual exposure to a material to be screened wherein the support frame holds [the filament] the strips transversely spaced along two perpendicular axes.

35. A [chemical screening apparatus] semi-custom array for chemical screening comprising:

(a) at least two different strips of a non-reactive substrate extending along a longitudinal axis and supporting, spaced along that longitudinal axis, a linear array of
5 different, chemically reactive substances exposed on a surface of the strip; and

(b) a support frame for receiving and holding the strips for mutual exposure to a material to be screened wherein [the filaments] the strips include isolating bands of a chemically repellant coating between the chemically reactive substances.

36. A [chemical screening apparatus] semi-custom array for chemical screening comprising:

(a) at least two different strips of a non-reactive substrate extending along a longitudinal axis and supporting, spaced along that longitudinal axis, a linear array of
5 different, chemically reactive substances exposed on a surface of the strip and

(b) a support frame for receiving and holding the strips for mutual exposure to a material to be screened wherein [the filaments] the strips include recessed pockets receiving the chemically reactive substances.

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